

Title (en)
MEASURING METHOD, STAGE APPARATUS, AND EXPOSURE APPARATUS

Title (de)
MESSVERFAHREN, TRÄGERVORRICHTUNG UND BELICHTUNGSVORRICHTUNG

Title (fr)
PROCEDE DE MESURE, APPAREIL POUR ETAGE ET APPAREIL D'EXPOSITION

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Application
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Abstract (en)
An exposure apparatus can mitigate the impact of fluctuations in the refractive index of ambient gas, and improve, for example, stage positioning accuracy. An exposure apparatus radiates an exposure illumination light to a wafer (W) on a wafer stage (WST) through a projection optical system (PL), and forms a prescribed pattern on the wafer (W), and comprises: a scale and a plurality of X heads (66), which detect information related to the position of the scale, provided to the wafer stage (WST) and a measurement frame (21) that has a coefficient of linear thermal expansion that is smaller than that of the main body of the wafer stage (WST); and a control apparatus that derives information related to the displacement of the wafer stage (WST) based on the detection results of the plurality of X heads (66).

IPC 8 full level
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